



BSIT 5th

Section A & B

Lecture 03

Local Security Policy

Kashif Ali

2

Topics to be cover



ACCOUNT
LOCKOUT
POLICY



PASSWORD
POLICY



AUDIT POLICY



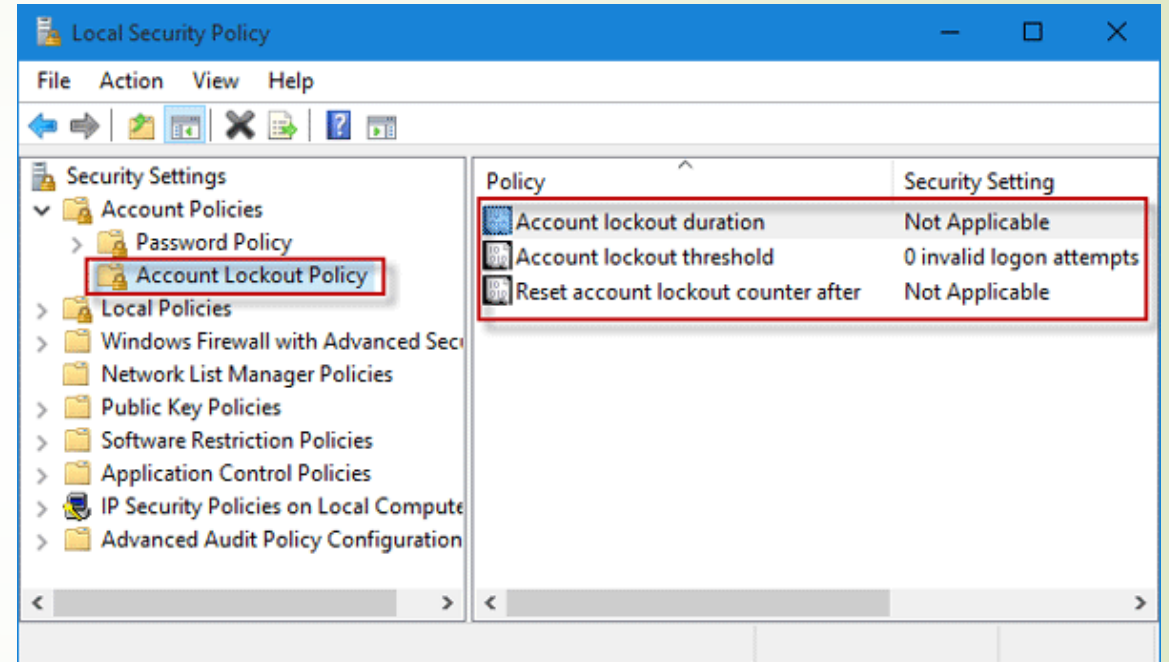
USER RIGHTS
ASSIGNMENTS



SECURITY
OPTIONS

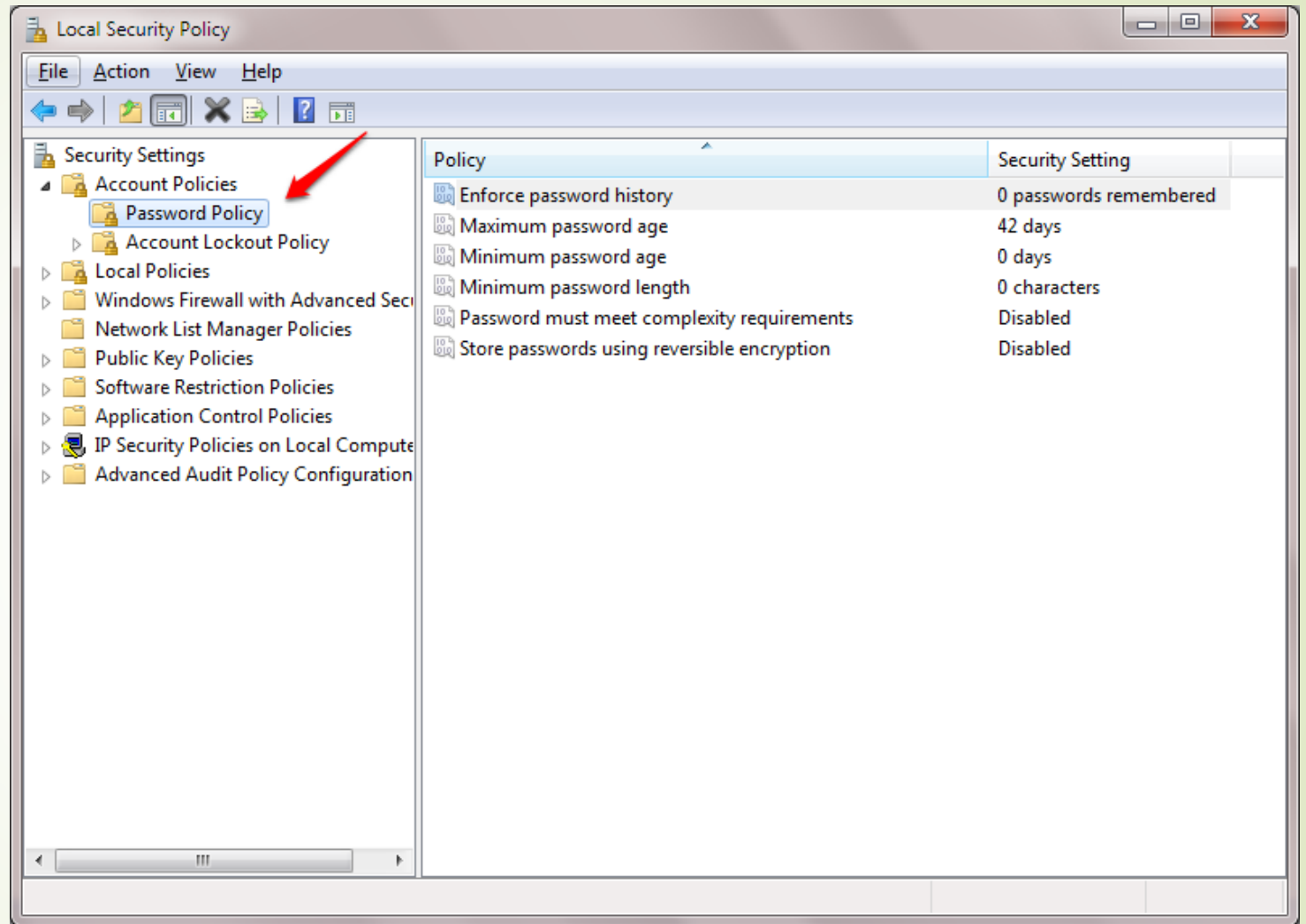
Account Lockout Policy

- The Account lockout duration policy setting determines the number of minutes that a locked-out account remains locked out before automatically becoming unlocked.
- The available range is from 1 through 99,999 minutes.
- A value of 0 specifies that the account will be locked out until an administrator explicitly unlocks it.



Password Policy

- Enforce password history
- Maximum password age
- Minimum password age
- Minimum password length
- Password must meet complexity requirements
- Store passwords using reversible encryption



Enforce Password History

- This allows the user to define the number of unique passwords allowed per user before reusing the old password.
- For example, if the value is set to 5, the user can reuse the first password only after 5 unique password changes.
- By default, the value is not configured.
- The allowed value ranges from 0 to 24.

Maximum Password Age

- Allows the user to set the password duration (in days) after which the user is forced to change the password.
- For example, if the value is set to 30, the user will be prompted to change the password on the thirty-first day.
- By default, the value is not configured.
- The allowed value ranges from 0 to 999.
- If the value is set to 0, that means the password will never expire.

Minimum Password Age

- Allows the user to set the duration (in days) that a password must be used before the user changes it.
- For example, if the value is set to 5, the user can only change the password after 5 days.
- By default, the value is not configured.
- The allowed value ranges from 1 to 998.
- If the value is set to 0, that means the password can be changed immediately.

Minimum Password Length

- ▶ Allows the user to set the minimum length of the password.
- ▶ For example, if the value is set to 8, the minimum length of the password would be 8 characters and no less than that.
- ▶ By default, the value is not configured.
- ▶ The allowed value ranges from 1 to 14.
- ▶ If the value is set to 0, that means the password is not required.

Password Must Complexity Requirements

If this policy is enabled, passwords must meet the following minimum requirements:

- Not contain the user's account name or parts of the user's full name that exceed two consecutive characters.
- Be at least six characters in length.
- Contain characters from three of the following four categories:
 - English uppercase characters (A through Z)
 - English lowercase characters (a through z)
 - Base 10 digits (0 through 9)
 - Non-alphabetic characters (for example, !, \$, #, %)
- Complexity requirements are enforced when passwords are changed or created.
- By default, it is set to disable.

Store Passwords Using Reversible Encryption

- This allows storing encrypted passwords in a way that it can be decrypted.
- This is an unsafe setting and must be disabled.

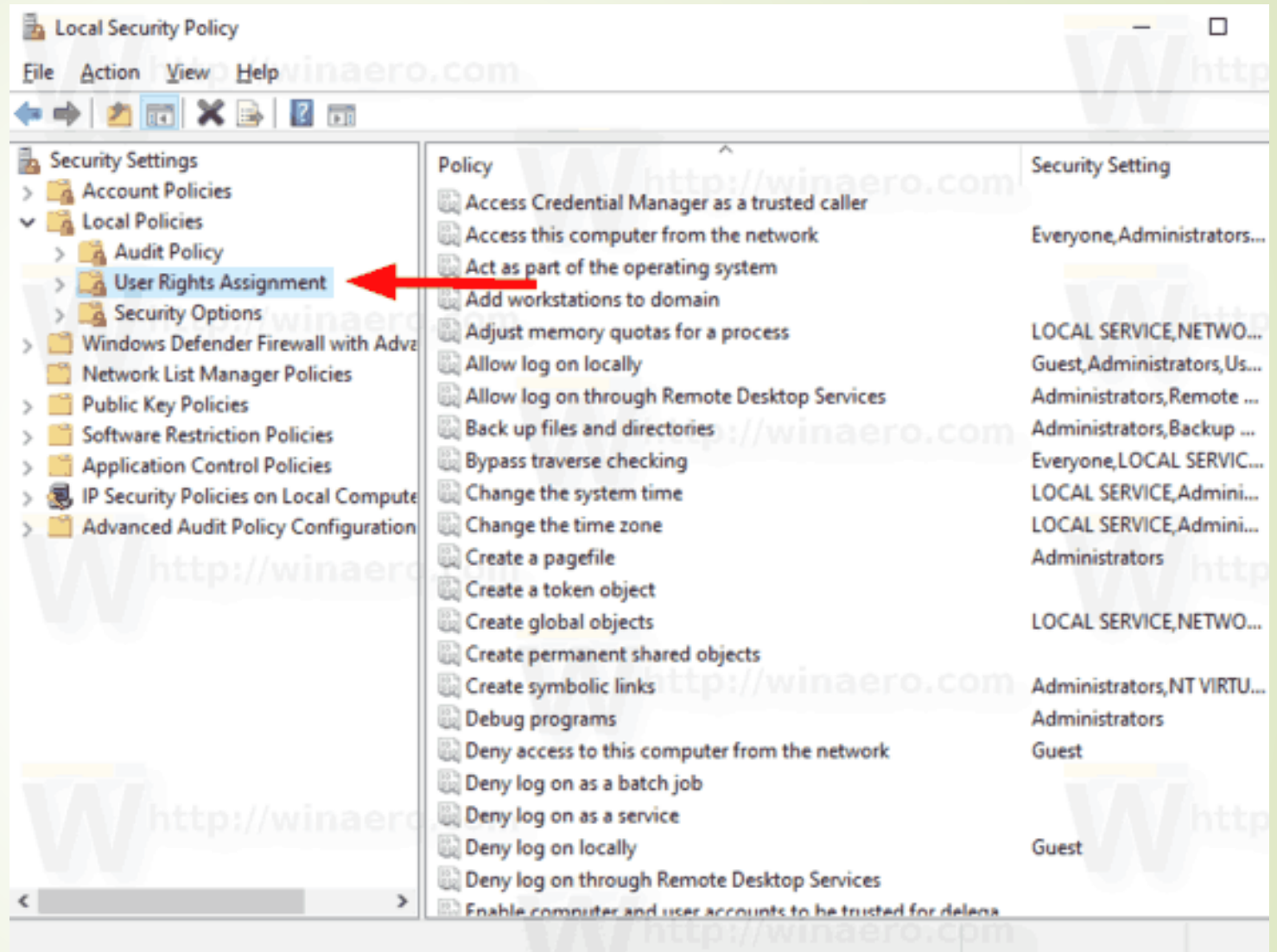
Audit Policy

- The security audit policy settings under Security Settings\Local Policies\Audit Policy provide broad security audit capabilities for client devices and servers that can't use advanced security audit policy settings.



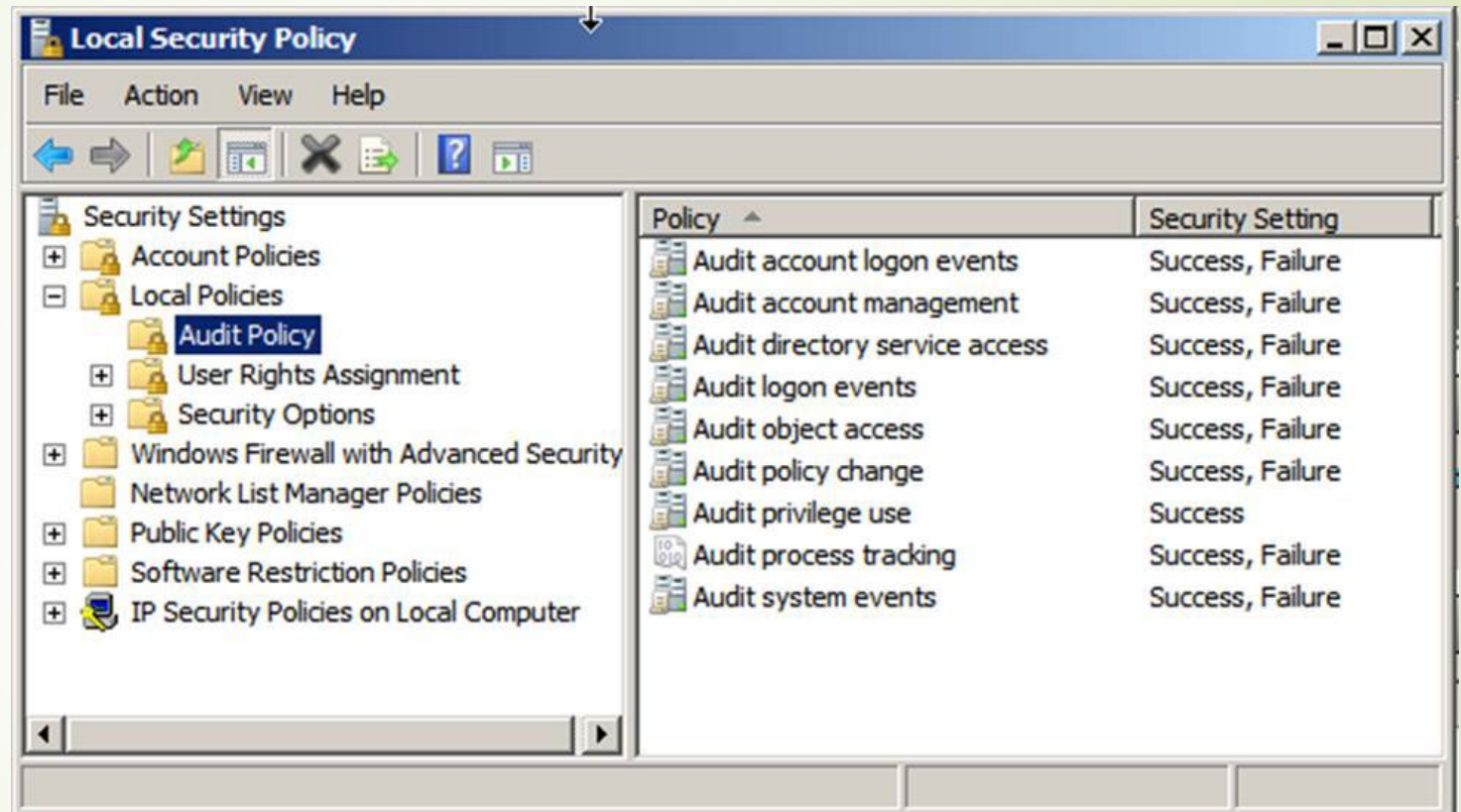
User Rights Assignment

- User rights are applied at the local computer level, and they allow users to perform tasks on a computer or in a domain.
- User rights include logon rights and permissions.
- Logon rights control who is authorized to log on to a computer and how they can log on.



Security Options

- Security policy settings are rules that administrators configure on a computer or multiple devices for protecting resources on a device or network.



Videos to cover these topics

- https://www.youtube.com/watch?v=U7o9WwcgAu0&list=PLyvg8agb6OW-nXvwHw0kTG22jmSsOfYS1&index=5&ab_channel=KashifBunerilTTrainer
- https://www.youtube.com/watch?v=nCg5v5cKPIg&list=PLyvg8agb6OW-nXvwHw0kTG22jmSsOfYS1&index=6&ab_channel=KashifBunerilTTrainer

kashif.nth@aup.edu.pk

Kashif Ali

Thank
you!